Amendments to the Claims

Please cancel claims 1-38.

Please add new claims 39-69 as shown below.

Listing of Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Claims 1-38 (Cancelled).

39. (New) An apparatus comprising:

a)   a rendering engine for rendering images onto a medium;

b)   an input port for receiving binary image data for a plurality of images; and

c)   a print preview projection mechanism for converting the received binary image data into corresponding displayable image data for the plurality of images and for projecting the displayable image data for viewing by a user, the print preview projection mechanism including

a multiple image manipulation module to receive image data and user input and, based thereon, to generate a composite image file for the plurality of images.

40. (New) The apparatus of claim 39 wherein the print preview projection mechanism provides the user with a preview of one or more image to be rendered of the plurality of images defined by the image data prior to rendering of the image data; and wherein the print preview projection mechanism includes a display format mechanism for converting the received binary image data for the plurality of images into the corresponding displayable image data for the plurality of images.

41. (New) The apparatus of claim 39 wherein the print preview projection mechanism comprises a projection mechanism for projecting the displayable image data for the plurality of

images onto a two-dimensional surface; and wherein the projected preview image is a two-dimensional image.

42. (New) The apparatus of claim 39 wherein the print preview projection mechanism comprises a projection mechanism for projecting the displayable image data for the plurality of images into a three-dimensional space; and wherein the projected preview image is one of a two-dimensional image and a three-dimensional image.

43. (New) The apparatus of claim 39 wherein the image manipulation application supports one of the user interface functions selected from the group consisting of: editing operations, compositing operations, image processing operations, delete operations and add operations and other image modification operations.

44. (New) The apparatus of claim 39 wherein the input port comprises one of a connection port, a media reader slot, and a receiver.

45. (New) The apparatus of claim 39 wherein the apparatus communicates with an image source through a communication link; and wherein the image source provides the image data;
  wherein the image source comprises one of a storage media, an image capture device, a digital camera, a personal communication device, a cellular telephone, a personal digital assistant, and other device external to the image rendering apparatus; and wherein the communication link comprises one of a wireless link, a wired link, a USB cable, and a channel.

46. (New) The apparatus of claim 39 wherein the image data for the plurality of images comprises one of text data, a digital picture data, graphic data, drawing data and images.

47. (New) The apparatus of claim 39 wherein the apparatus comprises one of a printer, a facsimile machine, and an all-in-one office machine.

48. (New) The apparatus of claim 39 further comprising:

a plurality of switches for use by a user to control print preview functions and image

        editing functions; wherein each switch, when activated by the user, generates a

        signal representing user input; and wherein the signal is provided to the print

        preview projection mechanism.

49. (New) A method for rendering a composite image, the method comprising:

receiving binary image data from an external data source, the binary image data defining

        one or more images to be viewed or rendered;

receiving user input information selecting a page layout for multiple images;

receiving user input information selecting images from the one or more images to be

        viewed or rendered, the selected images to be arranged according to the selected

        page layout;

converting the received binary image data for the selected images into corresponding

        displayable image data;

using the displayable image data to produce a composite image for viewing by a user;

        and

using the received binary image data to render the composite image onto a medium.

50. (New) The method of claim 49 further comprising manipulating the binary image
data prior to rendering the composite image.

51. (New) The method of claim 50 wherein manipulating the binary image data
comprises editing operations, compositing operations, image processing operations, deleting
operations and adding operations.

52. (New) The method of claim 49 wherein receiving the binary image data comprises
receiving the binary image data through a communication link.

53. (New) The method of claim 52 wherein receiving the binary image data through a communication link comprises receiving the binary image data from one of a storage media, an image capture device, a digital camera, a personal communication device, a cellular telephone and a personal digital assistant.

54. (New) The method of claim 52 wherein receiving the binary image data through a communication link comprises receiving the binary image data over one of a wireless link, a wired link and a USB cable.

55. (New) The method of claim 52 wherein receiving the binary image data through a communication link comprises receiving one or more of text data, digital picture data, graphic data, drawing data and images.

56. (New) The method of claim 49 further comprising:
detecting actuation of one or more switches by the user; and
based on the detected actuation, generating a signal representing the user input
    information; and
in response to the signal, controlling one or more of
        selecting the page layout,
        selecting the images,
        producing the composite image for viewing by the user, and
        rendering the composite image onto the medium.

57. (New) An image rendering apparatus comprising:
means for receiving binary image data from an external data source, the binary image
        data defining one or more images to be viewed or rendered;
means for receiving user input information selecting a page layout for multiple images;
means for receiving user input information selecting images from the one or more images
        to be viewed or rendered, the selected images to be arranged according to the
        selected page layout;

means for converting the received binary image data for the selected images into

corresponding displayable image data for projecting a composite image for

viewing by a user;

means for producing a composite image for viewing by a user using the displayable

image data; and

means for rendering the composite image onto a medium using the received binary image

data.

58. (New) The image rendering apparatus of claim 57 wherein the means for receiving binary image data comprises one or more of a media reader, a connection port for coupling to a cable, and a transceiver.

59. (New) The image rendering apparatus of claim 57 wherein the means for converting the received binary image data comprises a multiple image manipulation module to manipulate the received binary image data and, based on the received user input information, to generating a composite image file.

60. (New) A computer-readable medium comprising computer-readable content to cause a computer to perform acts of:

receiving binary image data from an external data source, the binary image data defining

one or more images to be viewed or rendered;

receiving user input information selecting a page layout for multiple images;

receiving user input information selecting images from the one or more images to be

viewed or rendered, the selected images to be arranged according to the selected

page layout;

converting the received binary image data for the selected images into corresponding

displayable image data for projecting a composite image for viewing by a user;

using the displayable image data to produce a composite image for viewing by a user;

and

using the received binary image data to render the composite image onto a medium.

61. (New) The computer-readable medium of claim 60 further comprising computer-readable content to cause a computer to perform acts of manipulating the binary image data in response to received user input information prior to rendering the composite image.

62. (New) The computer-readable medium of claim 61 wherein manipulating the binary image data comprises editing operations, compositing operations, image processing operations, deleting operations and adding operations.

63. (New) The computer-readable medium of claim 60 wherein receiving the binary image data comprises receiving the binary image data through a communication link.

64. (New) The computer-readable medium of claim 63 wherein receiving the binary image data through a communication link comprises receiving the binary image data from one of storage media, an image capture device, a digital camera, a personal communication device, a cellular telephone and a personal digital assistant.

65. (New) The computer-readable medium of claim 63 wherein receiving the binary image data through a communication link comprises receiving the binary image data over one of a wireless link, a wired link and a USB cable.

66. (New) The computer-readable medium of claim 63 wherein receiving the binary image data through a communication link comprises receiving one or more of text data, digital picture data, graphic data, drawing data and images.

67. (New) The computer-readable medium of claim 60 further comprising computer-readable content to cause a computer to perform acts of:

    detecting actuation of one or more switches by the user; and

    based on the detected actuation, generating a signal representing user input information; and

providing the signal to control one or more of producing the image for viewing by the
user and rendering the image onto the medium.

68. (New) An image rendering apparatus comprising:

an input port configured to engage an external data source and to receive from the
external data source binary image data defining a plurality of images to be
rendered;

a print preview projection mechanism coupled to the input port and configured to convert
the received binary image data to displayable image data, including

an image editor to receive as raw image data the received binary image data
defining the plurality of images a and produce edited image data in
response to user editing input signals, the image editor including a
multiple image manipulation module to receive the raw image data, the
edited image data and user input and, based thereon, to generate a
composite image file including the edited image data, and

a displayable data generator to generate displayable raw image data from the raw
image data and to produce displayable edited image data from the edited
image data;

a projection mechanism responsive to one of the displayable raw image data and the
displayable edited image data to produce a display for viewing by a user; and

a rendering engine coupled with the image editor to render the image using the edited
image data.

69. (New) A method for rendering data which defines multiple images, the method
comprising:

receiving binary image data from an external data source, the binary image data defining
one or more images to be viewed or rendered;

prompting a user to select a page format or page layout;

prompting a user to place an image in a place holder of the selected page format or page
layout;

if an edit command has been received from the user, performing one or more edit
operations specified by the edit command;

otherwise, determining if another image is to be added to the selected page format or
page layout;

if another image is to be added, retrieving binary image data for the other image;

retrieving binary image data to fill other place holders of the selected page format or page
layout; and

using the retrieved binary image data, rendering the image including the multiple images
onto a medium.